



## **Stormwater Management Plan Instructions: To Accompany All Building and Minor Grading Permit Applications For Projects With Land Disturbance**

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In order to comply with the federal Clean Water Act, the state Water Code and County Ordinances, the County of San Diego requires that property owners complete a Stormwater Management Plan (SWMP) prior to issuance of any Permit. The purpose of a Stormwater Management Plan is to document Best Management Practices (BMPs) that will be implemented to prevent pollutants (including sediment) from entering stormwater conveyances and receiving waters. The Stormwater Management Plan becomes a part of the Permit and is subject to enforcement by County inspectors and others.

Stormwater Management Plans include the elements described in the following sections:

**Section 1: Required Information** - This section is used to provide the County with basic information necessary to evaluate and prioritize project activities. Each of the items in this section must be completed, except that projects with less than 1acre of disturbed area are not required to have a Waste Discharge Identification Number (WDID). Projects with a disturbed area of greater than 1acre must also meet additional requirements from the State Water Resources Control Board (SWRCB). Those additional requirements include filing a Notice of Intent (NOI) and preparation of a Stormwater Pollution Prevention Plan (SWPPP).

Please note that watercourses and waterbodies include ephemeral drainages (i.e., those that are dry during part of the year).

**Section 2: Best Management Practices** - Best Management Practices (BMPs) must be selected and implemented to prevent erosion and construction-related materials, sediment, wastes and spills from entering stormwater conveyances and receiving waters.

**Note: It is the responsibility of the property owner and the contractor to determine the types of BMPs that will be used, as well as the levels of application necessary to comply with the County's Stormwater and Grading Ordinances. Failure to prevent soil erosion and discharges of sediment and other pollutants from construction sites is subject to enforcement by the County or others. At a minimum, the County requires that the BMPs listed in the Table on page 3 be installed and maintained for all projects. Additional BMPs listed on page 4 may also be required in correlation to a project's scope, potential for discharges and proximity to a watercourse or other receiving waters.**

**Section 3: Certification** – The property owner must sign this section certifying that they understand the County's minimum requirements for stormwater management of construction and land development activities and will implement, monitor and maintain the selected BMPs to ensure their effectiveness.

A County BMP manual can be found at the DPW and DPLU Permit Counters. The Manual includes all of the referenced BMPs listed in the Tables from the *Caltrans Storm Water Quality Handbooks* and *California Stormwater BMP Handbook for Construction*. The entire manuals may also be ordered directly from the following sources:

Caltrans Manuals  
Caltrans Publications unit  
(916) 445-3520  
(916) 324-8997 Fax

CA Stormwater BMP handbook  
BPS Reprographic Services  
1700 Jefferson St  
Oakland, CA, 94612  
(510) 287-5485  
(510) 444-1262 Fax



## County of San Diego

# STORMWATER MANAGEMENT PLAN

This form must be submitted with all building and grading permit applications associated with a Land Disturbance Activity.

### SECTION 1. Required Information

Permit Application Number:			
Project Name:		Project address or location:	
APN #:			
Name of project contact:		Phone # of project contact:	
Estimated project start date:	Estimated project finish date:	Estimated grading start date:	Estimated grading finish date:
Estimated amount of disturbed acreage: _____ acres (If equal to or greater than 1 acre, you must also provide a WDID number from the SWRCB.) <b>WDID</b> _____			
Are there any watercourses or waterbodies within 50 feet of the limits of soil disturbance? YES _____ NO _____			

### SECTION 2. Best Management Practices

#### Best Management Practices

The goal of stormwater management planning is to reduce pollution to the maximum extent practicable by implementing Best Management Practices (BMPs). There are five categories of BMPs: 1) Erosion control practices, and; 2) Velocity reduction, and; 3) Sediment control practices, and; 4) Offsite sediment tracking control, and; 5) General site and materials management. BMPs from each of the five categories must be used together as a **system** in order to prevent erosion, sediment, wastes, spills, and residues from leaving the site. When properly implemented, monitored and maintained, BMPs will function to prevent pollutants (including sediment) from leaving the site. It is the responsibility of the property owner and the contractor to determine the types of BMPs that will be used, as well as the levels of application necessary to comply with the County's Stormwater and Grading Ordinances.

#### Best Management Practice Tables

Pages 3 and 4 of this form contain tables that must be used to indicate those BMPs that will be used to prevent stormwater pollution. At a minimum, the County requires that the Minimum Required Construction BMPs listed in the table on page 3 be installed on all projects. However, some BMPs may not be applicable to every project. For example, if storm drain inlets are not present, then Storm Drain Inlet Protection (BMP SC10) would not be applicable.

#### The following information shall be shown on the plans:

- ☐ The project boundaries.
- ☐ The footprint of any existing structures and facilities.
- ☐ The footprint of all structures and facilities to be constructed.
- ☐ The limits of the land disturbance and grading.
- ☐ The existing and proposed grades of the site, along with any intermediate grades that will significantly affect site drainage patterns.
- ☐ The location(s) where runoff from the site may enter storm drain(s), channel(s), and/or receiving waters.

### SECTION 3. Certification

#### *The following certification must be signed before a Permit will be issued.*

I have read and understand that the County of San Diego has adopted minimum requirements for stormwater management of construction and land development activities. I certify that the BMPs I have selected in the attached tables will be implemented to effectively minimize the potentially negative impacts of this project's construction and land development activities on stormwater quality. I further agree to install, monitor, maintain or revise the selected BMPs to ensure their effectiveness.

I also understand that non-compliance with the County's Stormwater and Grading Ordinances may result in enforcement by the County, including fines cease and desist orders or other actions.

\_\_\_\_\_  
Property owner

\_\_\_\_\_  
Date

## MINIMUM REQUIRED CONSTRUCTION BMPs

Minimum Required Best Management Practices (BMPs)	CALTRANS Stormwater Handbook Detail	▼  BMP Selected	Each selected BMP must be shown on Grading Plan. If No BMP is selected, explain why
<b>Step 1 Select Erosion Control method for Disturbed Slopes (Choose at least one)</b>			
Vegetation Stabilization Planting ( <i>see note 1</i> )	SS-2 SS-4		
Hydraulic Stabilization Hydroseeding ( <i>see note 1</i> )	SS-3 SS-4		
Bonded Fiber Matrix or Stabilized Fiber Matrix ( <i>see note 2</i> )	SS-4		
Physical Stabilization Erosion Control Blanket( <i>see note 2</i> )	SS-7		
<b>Step 2 Select Erosion Control method for Disturbed Flat Areas (slope &lt; 5%) (Choose at least one)</b>			
County Standard Lot Perimeter Protection Detail	DPLU 659 SC-2,		
Will use erosion control measures from Step #1 on flat areas also	SS-2,3,4,7		
County Standard Desilting Basin (must treat all site runoff)	DPLU 660 SC-2		
Mulch, straw, wood chips, soil application	SS-6 SS-8		
<b>Step 3 If runoff is concentrated, velocity must be controlled using energy dissipater</b>			
Energy Dissipater Outlet Protection ( <i>see note 3</i> )	SS-10		
<b>Step 4 Select Sediment Control method for all disturbed areas (Choose at least one)</b>			
Silt Fence	SC-1		
Straw Wattles	SC-5		
Gravel Bags	SC-6 & 8		
Storm Drain Inlet Protection	SC-10		
Engineered Desilting Basin (sized for 10-year flow)	SC-2		
<b>Step 5 Select method for preventing offsite tracking of sediment (Choose at least one)</b>			
Stabilized Construction Entrance	TC-1		
Construction Road Stabilization	TC-2		
Entrance/Exit Tire Wash	TC-3		
Entrance/Exit Inspection & Cleaning Facility	-		
<b>Step 6 Select the General Site Management BMPs for each waste that will be on site</b>			
<b>Materials Management</b> Material Delivery & Storage	WM-1		
<b>Waste Management</b> Concrete Waste Management	WM-8		
Solid Waste Management	WM-5		
Sanitary Waste Management	WM-9		
Hazardous Waste Management	WM-6		

## Notes

1. If Vegetation Stabilization (Planting or Hydroseeding) is proposed for erosion control it may be installed between May 1<sup>st</sup> and September 15<sup>th</sup> if slope irrigation is in place and operable. Vegetation must be watered and established prior to November 11<sup>th</sup>. The Developer shall implement a contingency physical BMP by November 11 if vegetation establishment does not occur by that date. If landscaping is proposed, erosion control measures must also be used while landscaping is being established. Established vegetation shall have a subsurface mat of intertwined mature roots with a uniform vegetative coverage of 70 percent of the natural vegetative coverage or more on all disturbed areas.
2. These BMPs are temporary measures only when used without planting or hydroseeding. All slopes must have established vegetative cover prior to final permit approval.
3. Regional Standard Drawing D-40 - Rip Rap Energy Dissipater is also acceptable for velocity reduction.
4. Not all projects will have every waste identified. The applicant is responsible for identifying wastes that will be on-site and applying the appropriate BMP. For example, if concrete will be used, BMP WM-8 should be selected.

## ADDITIONAL BMPs available for use in conjunction with minimum BMPs

Erosion Control	CALTRANS Stormwater Handbook Detail
Site Development Considerations	
Scheduling	SS-1
Preservation of Existing Vegetation	SS-2
Other (submit description for approval)	
Vegetation Stabilization	
Vegetation Buffer Strips	SS-2
Physical Stabilization	
Dust Control	WE-1
Soil Stabilizers	SS-5
Diversion of Runoff	
Earthen Dikes	SS-9
Ditches and Berms	SS-9
Slope Drains	SS-11
Temporary Drains & Swales	SS-9
Velocity Reduction	
Check Dams	SS-4
Slope Terracing	-
Sediment Control	
Brush or Rock Filter	-
Sediment Trap	SC-3
Sediment Basin	SC-2
General Site Management	
Employee & Subcontractor Training	-
Materials Management	
Spill Prevention & Control	WM-4
Waste Management	
Contaminated Soil Management	WM-7
Vehicle and Equipment Management	
Vehicle & Equipment Cleaning	NS-8
Vehicle & Equipment Fueling	NS-9
Vehicle & Equipment Maintenance	NS-10
Construction Practices	
Water Conservation	NS-1
Structure Construction & Painting	-
Paving Operations	NS-3
Dewatering Operations	NS-2